PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1.   (Currently Amended)   A method for detecting delayed Radio Link Protocol frames, and preventing the transmission of unnecessary Negative Acknowledgement messages and data frame retransmissions, comprising the steps of:

buffering an unsequentially received Radio Link Protocol frame received on a first channel;

withholding the transmission of a Negative Acknowledgement message for a delayed Radio Link Protocol frame until the delayed Radio Link Protocol frame has been missing longer than a predefined time period; and

monitoring the first channel and a second channel for the delayed Radio Link Protocol frame, wherein the first and second channel are code-multiplexed to allow concurrent transmission of frames the unsequentially received Radio Link Protocol frame and the delayed Radio Link Protocol frame, and further wherein the second channel is configured to allow transmission of Radio Link Protocol frames within physical layer frames of different lengths than that of physical layer frames of the first channel.

2.   (Original)   The method of claim 1 further comprising the step of assigning a timer/counter to the buffered Radio Link Protocol frame for determining the necessity of transmitting a Negative Acknowledgement message for an unreceived Radio Link Protocol frame.

3.   (Original)   The method of claim 1 further comprising the steps of:

buffering a Negative Acknowledgement message for an unreceived Radio Link Protocol frame; and

assigning a timer/counter to the buffered Negative Acknowledgement message to prevent unnecessary transmission of the Negative Acknowledgement message if the unreceived Radio Link Protocol frame arrives before the expiration of a predefined time period.

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4. (Original) The method of claim 1 further comprising the step of delaying updating the expected sequence number until a delayed Radio Link Protocol frame has been received.

5. (Currently Amended) A wireless communications device configured to detect delayed Radio Link Protocol frames, and prevent the transmission of unnecessary Negative Acknowledgement messages and data frame retransmissions, comprising:

a processor; and

a storage medium coupled to the processor and containing a set of instructions executable by the processor to buffer an unsequentially received Radio Link Protocol frame received on a first channel;

withhold the transmission of a Negative Acknowledgement message for a delayed Radio Link Protocol frame until the delayed Radio Link Protocol frame has been missing longer than a predefined time period; and

monitoring the first channel and a second channel for the delayed Radio Link Protocol frame, wherein the first and second channel are code-multiplexed to allow concurrent transmission of ~~frames~~ the unsequentially received Radio Link Protocol frame and the delayed Radio Link Protocol frame, and further wherein the second channel is configured to allow transmission of Radio Link Protocol frames within physical layer frames of a different length than that of physical layer frames of the first channel.

6. (Original) The wireless communications device of claim 5, wherein:

the set of instructions is further executable by the processor to assign a timer/counter to the buffered Radio Link Protocol frame to determine the necessity of transmitting a Negative Acknowledgement message for an unreceived Radio Link Protocol frame.

7. (Original) The wireless communications device of claim 5, wherein:

the set of instructions is further executable by the processor to buffer a Negative Acknowledgement message for an unreceived Radio Link Protocol frame; and

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assign a timer/counter to the buffered Negative Acknowledgement message to prevent unnecessary transmission of the Negative Acknowledgement message if the unreceived Radio Link Protocol frame arrives before the expiration of a predefined time period.

8.   (Original)   The wireless communications device of claim 5, wherein:
the set of instructions is further executable by the processor to delay updating the expected sequence number until a delayed Radio Link Protocol frame has been received.

9.   (Original)   The wireless communications device of claim 5, wherein:
the device is a base station transceiver.

10.   (Original)   · The wireless communications device of claim 5, wherein:
the device is a mobile telephone.

11.   (Original)   The wireless communications device of claim 5, wherein:
the device is a data terminal.

12.   (Currently Amended)   A wireless apparatus for detecting delayed Radio Link Protocol frames, and preventing the transmission of unnecessary Negative Acknowledgement messages and data frame retransmissions, comprising:
means for buffering an unsequentially received Radio Link Protocol frame received on a first channel;
means for withholding the transmission of a Negative Acknowledgement message for a delayed Radio Link Protocol frame until the delayed Radio Link Protocol frame has been missing longer than a predefined time period; and
monitoring the first channel and a second channel for the delayed Radio Link Protocol frame, wherein the first and second channel are code-multiplexed to allow concurrent transmission of ~~frames~~ the unsequentially received Radio Link Protocol frame and the delayed Radio Link Protocol frame, and further wherein the second channel is configured to allow

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transmission of Radio Link Protocol frames within physical layer frames of a different length than that of physical layer frames of the first channel.

13.   (Previously Presented)   The wireless apparatus of claim 12 further comprising:

means for assigning a timer/counter to the buffered Radio Link Protocol frame for determining the necessity of transmitting a Negative Acknowledgement message for an unreceived Radio Link Protocol frame.